

- (h) Δ 79;
- (i) Δ 81; and
- (j) Δ 82.
16. A variant according to Claim 15 selected from the group consisting of:
- (a) Δ 70, 75 – 82;
- (b) Δ 75 – 82;
- (c) Δ 70, 78, 79;
- (d) Δ 70;
- (e) Δ 78; and
- (f) Δ 79.
17. A variant according to Claim 1 further comprising a substitution of one or more of positions 70 – 84 corresponding to subtilisin BPN'.
18. A variant according to Claim 1 further comprising one or more stabilizing mutations.
19. A variant according to Claim 17 further comprising one or more stabilizing mutations.
20. A variant according to Claim 18 wherein the stabilizing mutations are selected from the group consisting of I107V, K213R, Y217L, Y217K, N218S, G169A, M50F, Q19E, P5A, S9A, I31L, E156S, G169A, N212G, S188P, T254A, S3C + Q206C, and Q271E.
21. A variant according to Claim 20 wherein the stabilizing mutation is Y217L.
22. A cleaning composition comprising a variant according to Claim 1 and a cleaning composition carrier.
23. A cleaning composition comprising a variant according to Claim 17 and a cleaning composition carrier.
24. A personal care composition comprising:
- (a) a variant of a serine protease having a modified amino acid sequence of a wild-type amino acid sequence, wherein the modified amino acid sequence comprises a deletion of one or more of positions 70 – 84 corresponding to BPN'; and
- (b) a personal care composition carrier.
25. A composition according to Claim 24 wherein the variant further comprises a substitution at one or more of positions 70 - 84 corresponding to subtilisin BPN'.

Q.
cont

28. A mutant serine protease gene encoding the variant according to Claim 17.

Respectfully submitted for Applicants,

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